INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/17805

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : H01H 3/00 US CL : 200/339, 331 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED			
Minimum documentation searched (classification system followed by classification symbols) U.S.: 200/339, 330, 331, 333,			
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched NONE			
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) NONE			
C. DOCUMENTS CONSIDERED TO BE RELEVANT			
Category *	Citation of document, with indication, where app	propriate, of the relevant passages	Relevant to claim No.
A	US 5,036,168 A (KIKUCHI et al) 30 July 1991 (30.0	1-6 .	
A	US 5,941,372 A (JOHNSTON) 24 August 1999 (24.08.1999), column 2, lines 20-40.		1-3
A	US 6,031,196 A (JOHNSTON) 29 February 2000 (29.02.2000), column 2, line 15-30.		1-4
A	US 6,384, 354 B1 (SHOTEY et al) 07 May 2002 (07.05.2002), all.		1-6
Furthe	r documents are listed in the continuation of Box C.	See patent family annex.	
Special categories of cited documents: "A" document defining the general state of the art which is not considered to be		"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention	
"E" earlier a	ular relevance pplication or patent published on or after the international filing date	"X" document of particular relevance; the considered novel or cannot be considered when the document is taken alone	e claimed invention cannot be lered to involve an inventive step
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)		"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art	
	nt referring to an oral disclosure, use, exhibition or other means	-	
priority date claimed		"&" document member of the same patent family Date of mailing of the international search report	
Date of the actual completion of the international search 24 September 2003 (24.09.2003)		05 NOV 2003	
Name and mailing address of the ISA/US		Authorized officer	a
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